Please cancel claims 53-88, without prejudice to or disclaimer of the subject matter contained therein. Applicants reserve the right to prosecute these claims in one or more continuation and/or divisional applications of the present application.

Please add the following new claims:

-- 89. The method of claim 26, wherein said first or second recombination sites are Int recognition sites or portions thereof.

90. The method of claim 89, wherein said Int recognition sites are selected from the group consisting of an *att*B site, an *att*P site, an *att*L site, an *att*R site, and mutants, variants, portions and derivatives thereof.

91. The method of claim 26, wherein said first or second recombination sites are recombination sites recognized by a resolvase.

92. The method of claim 91, wherein said resolvase is selected from the group consisting of γδ, Tn3 resolvase, Hin, Gin and Cin.

93. The method of claim 26, wherein said first or second recombination sites are transposons or transposable genetic elements.

94. The method of claim 93, wherein said transposons or transposable genetic elements are selected from the group consisting of Tn916, IS231 and Tn7.

95. The method of claim 26, wherein said first or second recombination sites are integrons.

96. The method of claim 96, wherein said integrons are In2 integrons.

97. The method of claim 26, wherein said first or second recombination sites are recombination sites recognized by an intron-encoded homing endonuclease.

98. The method of claim 26, wherein said first and second recombination sites do not recombine with each other.

99. The method of claim 30, wherein said polyA RNA molecule is an mRNA molecule. --

Please amend the remaining claims as follows:

26. (Three times amended) A method for synthesizing a double stranded nucleic acid molecule comprising

(a) mixing one or more nucleic acid templates with a polypeptide having polymerase activity and one or more primers comprising [one or more recombination sites or portions] at least a first recombination site or portions thereof;

(b) incubating said mixture under conditions sufficient to synthesize a first nucleic acid molecule which is complementary to all or a portion of said templates and which comprises [one or more recombination sites or portions] said first recombination site or portions thereof; and

(c) incubating said first nucleic acid molecule in the presence of one or more primers comprising [one or more recombination sites or portions] at least a second recombination site or portions thereof under conditions sufficient to synthesize a second nucleic acid molecule complementary to all or a portion to said first nucleic acid molecule, thereby producing a double stranded nucleic acid molecule comprising [two or more recombination sites or portions thereof.] at least said first and second recombination sites or portions thereof, wherein said first and second recombination sites are not *lox* sites.

30. (Once amended) The method of claim 29, wherein said RNA is [an mRNA or] a polyA RNA molecule.

52. (Once amended) The method of claim 26, wherein said recombination sites or portions thereof are located at or near one or both termini of said double stranded nucleic acid molecule.